



Day : Monday
Date: 8/28/2006

Time: 10:05:15

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name

First Name

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Day : Monday
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Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name

First Name

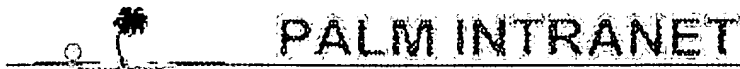
Pairer

Michel

Search

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Day : Monday
Date: 8/28/2006

Time: 10:05:15

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name

First Name

Meade

Christopher

Search

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Refine Search

Search Results -

Terms	Documents
L17 and @pd<20020817	9

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L18

Search History

DATE: Monday, August 28, 2006 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L18</u>	L17 and @pd<20020817	9	<u>L18</u>
<u>L17</u>	L16 and betamimetic	90	<u>L17</u>
<u>L16</u>	L15 and steroid	2668	<u>L16</u>
<u>L15</u>	anticholinergic	7929	<u>L15</u>
<u>L14</u>	L13 and tiotropium	35	<u>L14</u>
<u>L13</u>	Zierenberg	292	<u>L13</u>
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<u>L12</u>	L7 and steroid	15	<u>L12</u>
<u>L11</u>	L8 and steroid	13	<u>L11</u>
<u>L10</u>	L9 and steroid	42	<u>L10</u>
<u>L9</u>	L4 and anticholinergic	79	<u>L9</u>
<u>L8</u>	L5 and anticholinergic	47	<u>L8</u>
<u>L7</u>	L6 and anticholinergic	57	<u>L7</u>
<u>L6</u>	Michel near Pairet	64	<u>L6</u>

<u>L5</u>	Christopher near Meade	76	<u>L5</u>
<u>L4</u>	Michael near Pieper	96	<u>L4</u>
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<u>L3</u>	6852728.pn.	1	<u>L3</u>
<u>L2</u>	6706726.pn.	1	<u>L2</u>
<u>L1</u>	7094788.pn.	1	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L3 and (betamimetic same steroid)	7

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L4

Search History

DATE: Monday, August 28, 2006

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Set Name **Query**
 side by side

Hit Count **Set Name**
 result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L4</u>	L3 and (betamimetic same steroid)	7	<u>L4</u>
<u>L3</u>	(L2 or L1) and @pd<20020817	392	<u>L3</u>
<u>L2</u>	anticholinergic same steroid	1279	<u>L2</u>
<u>L1</u>	anticholinergic same betamimetic	70	<u>L1</u>

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 14:28:43 ON 28 AUG 2006)

FILE 'CAPLUS, MEDLINE' ENTERED AT 14:28:58 ON 28 AUG 2006

L1	11441 S ANTICHOLINERGIC
L2	51 S L1 AND STEROID
L3	7 S L2 AND (BETAMIMETIC OR (BETA(W)AGONIST) OR (BETA (4A) AGONIST
L4	7 DUPLICATE REMOVE L3 (0 DUPLICATES REMOVED)
L5	19 S L1 AND 412046-80-1/RN
L6	2 S L5 AND STEROID
L7	2 DUPLICATE REMOVE L6 (0 DUPLICATES REMOVED)

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:618722 CAPLUS
DOCUMENT NUMBER: 143:186054
TITLE: Respiratory drugs
AUTHOR(S): Fee, J. P. H.
CORPORATE SOURCE: Department of Anaesthetics and Intensive Care
Medicine, School of Medicine, Queen's University,
Belfast, UK
SOURCE: Pharmacology for Anaesthesiologists (2005), 147-151.
Editor(s): Fee, J. P. Howard; Bovill, James G. Taylor
& Francis Ltd.: Abingdon, UK.
CODEN: 69HBPM; ISBN: 1-84184-236-2
DOCUMENT TYPE: Conference; General Review
LANGUAGE: English
TI Respiratory drugs
AB A review. Drugs that are used to relieve bronchospasm or which stimulate
respiration, such as bronchodilators, sympathomimetic drugs, xanthines,
steroids, anticholinergic drugs, and respiratory stimulants, are
discussed.

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:640643 CAPLUS
DOCUMENT NUMBER: 127:318553
TITLE: Preparation of nitrosated and nitrosylated compounds
and their use for treating respiratory disorders
INVENTOR(S): Garvey, David S.; Letts, L. Gordon; Renfroe, H. Burt;
Richardson, Stewart K.
PATENT ASSIGNEE(S): Nitromed, Inc., USA; Garvey, David S.; Letts, L.
Gordon; Renfroe, H. Burt; Richardson, Stewart K.
SOURCE: PCT Int. Appl., 108 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9734871	A1	19970925	WO 1997-US4319	19970319
W: AU, CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5824669	A	19981020	US 1996-620882	19960322
CA 2248800	AA	19970925	CA 1997-2248800	19970319
AU 9725336	A1	19971010	AU 1997-25336	19970319
AU 733202	B2	20010510		
EP 904266	A1	19990331	EP 1997-916818	19970319
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2000509016	T2	20000718	JP 1997-533628	19970319
US 6197762	B1	20010306	US 1998-157242	19980918
US 37116	E	20010327	US 1998-219476	19981223
US 6579863	B1	20030617	US 2000-689851	20001013
US 2003199529	A1	20031023	US 2003-428936	20030505
PRIORITY APPLN. INFO.:				US 1996-620882 A2 19960322
				WO 1997-US4319 W 19970319
				US 1998-157242 A3 19980918
				US 2000-689851 A3 20001013

OTHER SOURCE(S): MARPAT 127:318553

TI Preparation of nitrosated and nitrosylated compounds and their use for
treating respiratory disorders
AB Disclosed are (i) compds. of a steroid, a .beta.-
agonist, an anticholinergic, a mast cell stabilizer, and
a phosphodiesterase (PDE) inhibitor directly or indirectly linked to a NO

or NO₂ group or a group which stimulates endogenous production of NO or EDRF in vivo; (ii) compns. of steroids, β -agonists, anticholinergics, mast cell stabilizers, and PDE inhibitors, which can optionally be substituted with at least one NO or NO₂ moiety or a group which stimulates endogenous production of NO or EDRF in vivo, and a compound that donates, transfers or releases nitric oxide as a charged species, i.e., nitrosonium or nitroxyl, or as the neutral species, nitric oxide (NO) or that stimulates endogenous production of NO or EDRF in vivo; and (iii) uses for them in preventing and/or treating respiratory disorders. E.g., I [CH:CH, CH₂CH₂; R₁ = COCH₂BD (B = O, S; D = NO, NO₂, CRdOC(O)Y(CReRf)pTQ (Rd = H, alkyl, aryl, etc.; Re, Rf = H, alkyl, alkylamino, carboxy, etc.; p = 1-6; T = covalent bond, O, S, N; Q = NO, NO₂), etc.; R₂, R₃ = H, OH, alkyl, etc.; R₄, R₅ = H, halo; R₆ = H, D) (defined as above), etc.] were prepared E.g., reaction of 3-mercapto-3-methylbutyric acid and 2,4,6-trimethoxybenzyl alc. gave 3-methyl-3-(2,4,6-trimethoxyphenylmethylthio)butyric acid. The last was reacted with 6 α -fluoro-11 β ,21-dihydroxy-16 α ,17 α -[(1-methylethylidene)bis(oxy)]pregna-1,4-diene-3,20-dione. Deprotection of the product, followed by reaction with tert-Bu nitrite, gave 6 α -fluoro-11 β -hydroxy-16 α ,17 α -[(1-methylethylidene)bis(oxy)]pregna-1,4-diene-3,20-dione-21-[3-methyl-3-nitrosothio]butanoate. The measurement of biol. activity in a pulmonary model of allergic asthma and lung inflammation was undertaken in adult sheep.

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Inhalable pharmaceutical compositions containing an anticholinergic, salmeterol, and a steroid
 AB A pharmaceutical composition comprises an anticholinergic, e.g., I; salmeterol xinafoate, or a hydrate, solvate, enantiomer, or mixts. of enantiomers thereof; and a steroid selected from ciclesonide, budesonide, and mometasone furoate, or a solvate or hydrate.
 ACCESSION NUMBER: 2006:493091 CAPLUS
 DOCUMENT NUMBER: 145:14686
 TITLE: Inhalable pharmaceutical compositions containing an anticholinergic, salmeterol, and a steroid
 INVENTOR(S): Pieper, Michael P.
 PATENT ASSIGNEE(S): Boehringer Ingelheim International GmbH, Germany
 SOURCE: U.S. Pat. Appl. Publ., 11 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006110329	A1	20060525	US 2005-273782	20051115
DE 102004056579	A1	20060524	DE 2004-102004056579	20041123
WO 2006056527	A1	20060601	WO 2005-EP55783	20051107
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: DE 2004-102004056579A 20041123
 OTHER SOURCE(S): MARPAT 145:14686

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Inhalable drugs containing a new anticholinergic, formoterol and a steroid
 AB The invention concerns inhalants for the treatment of respiratory diseases that contain: (a) at least one anticholinergic (I), wherein X- is an anion with a single neg. charge; (b) a formoterol salt; (c) a steroid, selected from the group of ciclesonide, budesonide, mometasone furoate, their salts and hydrates. Thus an inhalant powder contained (µg): I (X = Br) 50; mometasone furoate 400; formoterol hemifumarate monohydrate 5; lactose monohydrate 4545.
 ACCESSION NUMBER: 2006:493075 CAPLUS
 DOCUMENT NUMBER: 144:495371
 TITLE: Inhalable drugs containing a new anticholinergic, formoterol and a steroid
 INVENTOR(S): Pieper, Michael P.
 PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma G.m.b.H. & Co. K.-G., Germany
 SOURCE: Ger. Offen., 18 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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DE 102004056578	A1	20060524	DE 2004-102004056578	20041123
WO 2006056526	A1	20060601	WO 2005-EP55782	20051107
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
US 2006110330	A1	20060525	US 2005-274648	20051115
PRIORITY APPLN. INFO.:			DE 2004-102004056578A	20041123

(FILE 'HOME' ENTERED AT 15:56:59 ON 28 AUG 2006)

FILE 'REGISTRY' ENTERED AT 16:02:04 ON 28 AUG 2006

L1 STRUCTURE UPLOADED

L2 1 S L1 SSS SAM

L3 30 S L1 SSS FUL

FILE 'CAPLUS' ENTERED AT 16:03:11 ON 28 AUG 2006

L4 24 S L3

L5 3 S L4 AND STEROID

L6 2 S L4 AND BETAMIMETI

L5 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2006:493091 CAPLUS
 DN 145:14686
 TI Inhalable pharmaceutical compositions containing an anticholinergic,
 salmeterol, and a steroid
 IN Pieper, Michael P.
 PA Boehringer Ingelheim International GmbH, Germany
 SO U.S. Pat. Appl. Publ., 11 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2006110329	A1	20060525	US 2005-273782	20051115
	DE 102004056579	A1	20060524	DE 2004-102004056579	20041123
	WO 2006056527	A1	20060601	WO 2005-EP55783	20051107
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	VN, YU, ZA, ZM, ZW				
	RW:				
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	IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,				
	CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,				
	GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,				
	KG, KZ, MD, RU, TJ, TM				
PRAI	DE 2004-102004056579 A		20041123		
OS	MARPAT 145:14686				

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2006:493075 CAPLUS
 DN 144:495371
 TI Inhalable drugs containing a new anticholinergic, formoterol and a
 steroid
 IN Pieper, Michael P.
 PA Boehringer Ingelheim Pharma G.m.b.H. & Co. K.-G., Germany
 SO Ger. Offen., 18 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 102004056578	A1	20060524	DE 2004-102004056578	20041123
	WO 2006056526	A1	20060601	WO 2005-EP55782	20051107
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	VN, YU, ZA, ZM, ZW				
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	KG, KZ, MD, RU, TJ, TM				
	US 2006110330	A1	20060525	US 2005-274648	20051115
PRAI	DE 2004-102004056578 A		20041123		

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:836852 CAPLUS

DN 139:341749

TI Compositions containing steroids and a scoline diphenylpropionic acid derivative as anticholinesterase drug for the treatment of respiratory tract diseases

IN Banholzer, Rolf; Meade, Christopher John Montague; Meissner, Helmut; Morschhaeuser, Gerd; Pairet, Michel; Pieper, Michael P.; Pohl, Gerald; Reichl, Richard; Speck, Georg

PA Boehringer Ingelheim Pharma GmbH & Co. Kg, Germany

SO PCT Int. Appl., 43 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003086399	A1	20031023	WO 2003-EP3668	20030409
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	DE 10216429	A1	20031023	DE 2002-10216429	20020412
	US 2003223937	A1	20031204	US 2003-391735	20030319
	US 7084153	B2	20060801		
	CA 2481268	AA	20031023	CA 2003-2481268	20030409
	AU 2003216921	A1	20031027	AU 2003-216921	20030409
	EP 1496902	A1	20050119	EP 2003-712137	20030409
	EP 1496902	B1	20051214		
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	BR 2003009085	A	20050209	BR 2003-9085	20030409
	CN 1646126	A	20050727	CN 2003-808329	20030409
	JP 2005529105	T2	20050929	JP 2003-583418	20030409
	AT 312607	E	20051215	AT 2003-712137	20030409
	EP 1621197	A2	20060201	EP 2005-109887	20030409
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	ES 2254917	T3	20060616	ES 2003-3712137	20030409
	NO 2004004097	A	20041104	NO 2004-4097	20040927
PRAI	DE 2002-10216429	A	20020412		
	US 2002-386790P	P	20020607		
	EP 2003-712137	A3	20030409		
	WO 2003-EP3668	W	20030409		

OS MARPAT 139:341749

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:98819 CAPLUS
 DN 142:198250
 TI Medicaments for inhalation comprising an anticholinergic and a
 betamimetic
 IN Meade, Christopher John Montague; Pairet, Michel; Pieper, Michael P.;
 Konetzki, Ingo
 PA Boehringer Ingelheim International G.m.b.H., Germany
 SO U.S. Pat. Appl. Publ., 33 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005025718	A1	20050203	US 2004-891564	20040715
	CA 2534120	AA	20050217	CA 2004-2534120	20040717
	WO 2005013994	A1	20050217	WO 2004-EP8013	20040717
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1651224	A1	20060503	EP 2004-741123	20040717
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
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RE.CNT 3	THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD			
	ALL CITATIONS AVAILABLE IN THE RE FORMAT			

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